

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	13	(activating with (immobilizing or immobilization or functionalizing or functionalization)) same (microspot or array or microarray)	US-PGPUB; USPAT	OR	ON	2008/03/30 23:04
L2	0	(activating with (immobilizing or immobilization or functionalizing or functionalization)) same (microspot or array or microarray) with (electric or electrical or current)	US-PGPUB; USPAT	OR	ON	2008/03/30 23:04
L3	2603210	((immobilizing or immobilization or functionalizing or functionalization) with (microspot or array or microarray) with electric or electrical or current)	US-PGPUB; USPAT	OR	ON	2008/03/30 23:05
L4	55	(immobilizing or immobilization or functionalizing or functionalization) with (microspot or array or microarray) with (electric or electrical or current)	US-PGPUB; USPAT	OR	ON	2008/03/30 23:06
L5	48	L4 and (biomolecule or molecule or probe or protein or dna or nucleic or antibody)	US-PGPUB; USPAT	OR	ON	2008/03/30 23:06
L6	30	L5 and (channel or microchannel)	US-PGPUB; USPAT	OR	ON	2008/03/30 23:07
L7	18	l5 not l6	US-PGPUB; USPAT	OR	ON	2008/03/30 23:14
L8	102	microfluidic and (immobilized with probes with (channel or microchannel))	US-PGPUB; USPAT	OR	ON	2008/03/30 23:24
L9	16	L8 and ((electrophoretic or dielectrophoresis or electrophoresis) with (pumping or pump))	US-PGPUB; USPAT	OR	ON	2008/03/30 23:25

L10	1	("6200814").PN.	USPAT; USOCR	OR	OFF	2008/03/30 23:31
L11	0	(prevent with nonspecific with absorption) with (array or microarray)	USPAT	OR	OFF	2008/03/30 23:34
L12	3	(prevent with nonspecific with absorption) and (array or microarray)	USPAT	OR	OFF	2008/03/30 23:34
L13	1	((nonspecific with absorption) with (avidin or streptavidin)) and (array or microarray)	USPAT	OR	OFF	2008/03/30 23:36
L14	1	((nonspecific with absorption) with (avidin or streptavidin)) and immobilization	USPAT	OR	OFF	2008/03/30 23:38
L15	4	((nonspecific with absorption) with (avidin or streptavidin))	USPAT	OR	OFF	2008/03/30 23:38
L16	3	l15 not l14	USPAT	OR	OFF	2008/03/30 23:38
L17	3	((nonspecific with absorption) with coating) and immobilization	USPAT	OR	OFF	2008/03/30 23:40
L18	18	((nonspecific with (absorption or adsorption)) with coating) and immobilization	USPAT	OR	OFF	2008/03/30 23:40
L19	18	L18 not L16	USPAT	OR	OFF	2008/03/30 23:40
L20	306	((surface adj plasmon adj resonance) or spr) and ((reflectance or (phase adj change) or angle or wavelength) with binding)	USPAT	OR	OFF	2008/03/31 00:32
L21	30	((surface adj plasmon adj resonance) or spr) and ((reflectance or (phase adj change) or angle or wavelength) with binding with detection)	USPAT	OR	OFF	2008/03/31 00:32
L22	1622	assay with ((dissociation or association or affinity) adj constant)	US-PGPUB; USPAT	OR	ON	2008/03/31 00:46
L23	219	assay with ((dissociation or association or affinity) adj constant) with (determining or determine)	US-PGPUB; USPAT	OR	ON	2008/03/31 00:47

L24	68	(oxidation or reducton) with (functional adj group) with (binding or immobilization or immobilizing)	US-PGPUB; USPAT	OR	ON	2008/03/31 01:54
L25	71	(oxidation or reducton) with (functional adj group) with (functionalizing or binding or immobilization or immobilizing)	US-PGPUB; USPAT	OR	ON	2008/03/31 01:57
L26	19	L25 and (electric)	US-PGPUB; USPAT	OR	ON	2008/03/31 01:57
L27	25	L25 and (electric or electrode)	US-PGPUB; USPAT	OR	ON	2008/03/31 01:57
L28	152	(electrode or electric) with (functional adj group) with (functionalizing or binding or immobilization or immobilizing)	US-PGPUB; USPAT	OR	ON	2008/03/31 02:01
L29	152	(electrode or electric) with (functional adj group) with (functionalizing or binding or immobilization or immobilizing) with (molecule or probe or chemical or group)	US-PGPUB; USPAT	OR	ON	2008/03/31 02:02
L30	444	(electric adj field) with ((functional adj group) or (functionalizing or binding or immobilization or immobilizing) with (molecule or probe or chemical or group))	US-PGPUB; USPAT	OR	ON	2008/03/31 02:09
L31	240	(electric adj field) with ((functional adj group) or (functionalizing or immobilization or immobilizing) with (molecule or probe or chemical or group))	US-PGPUB; USPAT	OR	ON	2008/03/31 02:09
L32	5	(electric adj field) with (inducing or induce) with ((functional adj group) or (functionalizing or immobilization or immobilizing) with (molecule or probe or chemical or group))	US-PGPUB; USPAT	OR	ON	2008/03/31 02:09

L33	111	(electric adj field) with (inducing or induce) with reaction	US-PGPUB; USPAT	OR	ON	2008/03/31 02:13
L34	31	(electric adj field) with (inducing or induce) with reaction with chemical	US-PGPUB; USPAT	OR	ON	2008/03/31 02:13
S1	986	(determining or determine or detect or detecting) with kinetic with binding	US-PGPUB; USPAT	OR	ON	2008/03/22 20:05
S2	410	S1 and (channel or microchannel)	US-PGPUB; USPAT	OR	ON	2008/03/22 20:14
S3	49	S1 and ((channel or microchannel) with (spot or microspot or array or microarray))	US-PGPUB; USPAT	OR	ON	2008/03/22 20:14
S4	26	S3 not @ay>"2004"	US-PGPUB; USPAT	OR	ON	2008/03/22 20:15
S5	986	(determining or determine or detect or detecting) with kinetic with binding	US-PGPUB; USPAT	OR	ON	2008/03/22 21:48
S6	49	S5 and ((channel or microchannel) with (spot or microspot or array or microarray))	US-PGPUB; USPAT	OR	ON	2008/03/22 21:48
S7	26	S6 not @ay>"2004"	US-PGPUB; USPAT	OR	ON	2008/03/22 21:48
S8	986	(determining or determine or detect or detecting) with kinetic with binding	US-PGPUB; USPAT	OR	ON	2008/03/22 23:21
S9	49	S8 and ((channel or microchannel) with (spot or microspot or array or microarray))	US-PGPUB; USPAT	OR	ON	2008/03/22 23:21
S10	26	S9 not @ay>"2004"	US-PGPUB; USPAT	OR	ON	2008/03/22 23:21
S11	23	S9 not S10	US-PGPUB; USPAT	OR	ON	2008/03/22 23:21
S12	410	S8 and (channel or microchannel)	US-PGPUB; USPAT	OR	ON	2008/03/22 23:24
S13	23	!5not S11	US-PGPUB; USPAT	OR	ON	2008/03/22 23:24
S14	387	S12 not S11	US-PGPUB; USPAT	OR	ON	2008/03/22 23:24
S15	305	S14 not @ay>"2004"	US-PGPUB; USPAT	OR	ON	2008/03/22 23:24

S16	801	((microspot or microarray or spot or array) with (channel or microchannel) with (around or circumference))	US-PGPUB; USPAT	OR	ON	2008/03/26 11:29
S17	180	((microspot or microarray or spot or array) with (channel or microchannel) with (around or circumference)) and (molecule or biomolecule or dna or nucleic or protein or antibody or enzyme)	US-PGPUB; USPAT	OR	ON	2008/03/26 11:29
S18	145	S17 not @ay>"2004"	US-PGPUB; USPAT	OR	ON	2008/03/26 11:30
S19	1096	((mountable or mounting) with ((flow adj cell) or channel)) and (assay or biological or molecule or antibody or dna or nucleic or enzyme or peptide)	US-PGPUB; USPAT	OR	ON	2008/03/26 15:29
S20	782	S19 not @ay>"2003"	US-PGPUB; USPAT	OR	ON	2008/03/26 15:30
S21	46	((mountable) with ((flow adj cell) or channel)) and (assay or biological or molecule or antibody or dna or nucleic or enzyme or peptide)	US-PGPUB; USPAT	OR	ON	2008/03/26 15:31
S22	39	S21 not @ay>"2003"	US-PGPUB; USPAT	OR	ON	2008/03/26 15:31
S23	987	(determining or determine or detect or detecting) with kinetic with binding	US-PGPUB; USPAT	OR	ON	2008/03/29 20:45
S24	410	S23 and (channel or microchannel)	US-PGPUB; USPAT	OR	ON	2008/03/29 20:45
S25	49	S23 and ((channel or microchannel) with (spot or microspot or array or microarray))	US-PGPUB; USPAT	OR	ON	2008/03/29 20:45
S26	26	S25 not @ay>"2004"	US-PGPUB; USPAT	OR	ON	2008/03/29 20:45

S27	987	(determining or determine or detect or detecting) with kinetic with binding	US-PGPUB; USPAT	OR	ON	2008/03/29 20:45
S28	49	S27 and ((channel or microchannel) with (spot or microspot or array or microarray))	US-PGPUB; USPAT	OR	ON	2008/03/29 20:45
S29	26	S28 not @ay>"2004"	US-PGPUB; USPAT	OR	ON	2008/03/29 20:45
S30	987	(determining or determine or detect or detecting) with kinetic with binding	US-PGPUB; USPAT	OR	ON	2008/03/29 20:45
S31	49	S30 and ((channel or microchannel) with (spot or microspot or array or microarray))	US-PGPUB; USPAT	OR	ON	2008/03/29 20:45
S32	26	S31 not @ay>"2004"	US-PGPUB; USPAT	OR	ON	2008/03/29 20:45
S33	23	S31 not S32	US-PGPUB; USPAT	OR	ON	2008/03/29 20:45
S34	410	S30 and (channel or microchannel)	US-PGPUB; USPAT	OR	ON	2008/03/29 20:45
S35	23	!5not S33	US-PGPUB; USPAT	OR	ON	2008/03/29 20:45
S36	387	S34 not S33	US-PGPUB; USPAT	OR	ON	2008/03/29 20:45
S37	305	S36 not @ay>"2004"	US-PGPUB; USPAT	OR	ON	2008/03/29 20:45
S38	801	(microspot or microarray or spot or array) with (channel or microchannel) with (around or circumference)	US-PGPUB; USPAT	OR	ON	2008/03/29 20:45
S39	180	((microspot or microarray or spot or array) with (channel or microchannel) with (around or circumference)) and (molecule or biomolecule or dna or nucleic or protein or antibody or enzyme)	US-PGPUB; USPAT	OR	ON	2008/03/29 20:45
S40	145	S39 not @ay>"2004"	US-PGPUB; USPAT	OR	ON	2008/03/29 20:45

S41	1096	((mountable or mounting) with ((flow adj cell) or channel)) and (assay or biological or molecule or antibody or dna or nucleic or enzyme or peptide)	US-PGPUB; USPAT	OR	ON	2008/03/29 20:45
S42	782	S41 not @ay>"2003"	US-PGPUB; USPAT	OR	ON	2008/03/29 20:45
S43	46	((mountable) with ((flow adj cell) or channel)) and (assay or biological or molecule or antibody or dna or nucleic or enzyme or peptide)	US-PGPUB; USPAT	OR	ON	2008/03/29 20:45
S44	39	S43 not @ay>"2003"	US-PGPUB; USPAT	OR	ON	2008/03/29 20:45
S45	8499	removable with (channel or (flow adj cell))	US-PGPUB; USPAT	OR	ON	2008/03/29 21:01
S46	7350	S45 not @ay>"2004"	US-PGPUB; USPAT	OR	ON	2008/03/29 21:01
S47	566	S46 and (absorb or immobilize or immobilizing or functionalizing)	US-PGPUB; USPAT	OR	ON	2008/03/29 21:01
S48	67	S46 and ((absorb or immobilize or immobilizing or functionalizing) same (molecule or probe or dna or protein or enzyme or antibody))	US-PGPUB; USPAT	OR	ON	2008/03/29 21:02
S49	67	S48 not S43	US-PGPUB; USPAT	OR	ON	2008/03/29 21:02
S50	2054	((microarray or array) with (formation or making)) same channel	US-PGPUB; USPAT	OR	ON	2008/03/29 21:15
S51	1551	S50 not @ay>"2003"	US-PGPUB; USPAT	OR	ON	2008/03/29 21:16
S52	1010	((microarray or array) with (formation or making)) with channel	US-PGPUB; USPAT	OR	ON	2008/03/29 21:16
S53	4	((microarray or array) with (formation or making)) with (channel with (immobilizing or absorbing or activation or functionalizing))	US-PGPUB; USPAT	OR	ON	2008/03/29 21:17

S54	442	((microarray or array) with (formation or making)) and (channel with (immobilizing or absorbing or activation or functionalizing))	US PGPUB; USPAT	OR	ON	2008/03/29 21:17
S55	345	S54 not @ay> "2004"	US PGPUB; USPAT	OR	ON	2008/03/29 21:17
S56	5034	(forming with (array or microarray) same (channel or microchannel)	US PGPUB; USPAT	OR	ON	2008/03/30 22:53
S57	39	((immobilizing or functionalizing or functionalization) with (array or microarray)) same (channel or microchannel)	US PGPUB; USPAT	OR	ON	2008/03/30 22:53

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